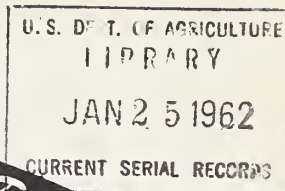


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STANDARD DHIA

OWNER SAMPLER

WEIGH-A-DAY-A-MONTH

AGRICULTURAL RESEARCH SERVICE, U. S. DEPARTMENT OF AGRICULTURE

Dairy-Herd-Improvement Letter

ARS-44-111
(Vol. 37, No. 11)

December 1961

NEW DHIA PROVED SIRE LIST

DHIA Proved-Sire List, compiled in July and August when the 705-III ADP sire-proving procedures were operated, has been printed and is being distributed to those on the mailing list receiving the Dairy-Herd-Improvement Letter. The distribution will be completed in January.

The List includes summaries of 10,095 proved sires and 8,196 daughter-average records.

The DHIA Proved-Sire List is printed in two parts: PART I - Ayrshire, Guernsey, Jersey, Brown Swiss, Milking Shorthorn, and Red Dane sires -- 256 pages. PART 2 - Holstein sires -- 528 pages.

PROVED SIRES IN ARTIFICIAL-BREEDING SERVICE JANUARY 1, 1961

On January 1, 1961, there were 2,486 sires in artificial-breeding service in 45 AI studs operating in the United States. Of the 2,486 sires, 488, or 19.6 percent, were sires with sufficient number of AI progeny to warrant the compilation of AI proofs.

A summary of the 488 AI proved-sire records is given in tables on pages 2, 3, and 4.

1961 SUMMARY OF DHIA HERD DATA

A summary of 18,644 complete individual herd reports (780's, 205-9's and/or 1105's) included in the 1961 tabulations showed that on the average DHIA cows received, during the testing year, 7,800 pounds of succulent roughage, 3,900 pounds of dry roughage, 3,200 pounds of concentrates, and were on pasture 163 days.

On page 5 is a tabulation showing by State, the average herd production and the amount of feed received per cow, based on herd records included in the 1961 tabulation of DHIA herd records.

Issued January 1962

TABLE 1.--SUMMARY OF PROVED-SIRE RECORDS OF SIRES IN ARTIFICIAL-BREEDING SERVICE JANUARY 1, 1961, BY BREED

BREED	SIRES NUMBER	MILK POUNDS	DAMS		MILK POUNDS	DAUGHTERS	
			BUTTERFAT %	POUNDS		BUTTERFAT %	POUNDS
AYRSHIRE-----	19	9,519	4.1	389	9,402	4.2	392
GUERNSEY-----	68	8,516	4.8	411	8,637	4.8	419
HOLSTEIN-----	294	12,628	3.7	462	12,674	3.7	472
JERSEY-----	62	8,078	5.2	424	7,930	5.2	414
BROWN SWISS---	41	10,963	4.1	447	10,623	4.2	443
SHORTHORN-----	4	8,402	4.1	345	8,120	5.0	406
TOTAL OR AVERAGE-----	488	11,181	4.0	445	11,172	4.0	452

TABLE 2.--NUMBER OF PROVED SIRES IN ARTIFICIAL-BREEDING SERVICE JANUARY 1, 1961, BY AGE AND BREED

AGE IN YEARS	AYRSHIRE	GUERNSEY	HOLSTEIN	JERSEY	BR. SWISS	SHORTHORN	RED DANE	OTHER	RED POLL	TOTAL
5-----										
6-----										
7-----		2	3	3						8
8-----	2	6	25	5						38
9-----		4	23	7	5					39
10-----	2	7	36	4	4	2				55
11-----	1	6	29	5	8					49
12-----	2	8	38	10	7					65
13-----	3	5	25	6	5					44
14-----	2	4	23	3	1					33
15-----		3	12	2	1	1				19
16-----	1		5							6
17-----	1		4							5
NO REPORT	5	23	71	17	10	1				127
TOTAL-----	19	68	294	62	41	4				488

TABLE 3.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE
JANUARY 1, 1961, AND THE DAMS OF THESE DAUGHTERS, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE
DAMS TO WHICH THEY WERE MATED

BUTTERFAT PRODUCTION RANGE OF DAMS POUNDS	SIRES NUMBER	MAINTAINED OR INCREASED PRODUCTION NUMBER	DECREASED PRODUCTION NUMBER	DAM-AND- DAUGHTER PAIRS NUMBER	MILK POUNDS	DAMS BUTTERFAT % POUNDS	AVERAGE PRODUCTION DAUGHTERS MILK POUNDS	BUTTERFAT % POUNDS
UNDER 275-----	1	1		4	6,551	4.2 272	8,333	3.7 312
300 - 324-----	1	1		4	7,883	3.9 304	10,480	3.8 401
325 - 349-----	4	4		55	7,968	4.2 336	9,859	4.1 403
350 - 374-----	14	7	7	220	8,256	4.4 364	8,150	4.5 365
375 - 399-----	47	32	15	1,876	8,509	4.6 388	8,657	4.8 416
400 - 424-----	73	44	29	4,202	9,519	4.3 414	9,704	4.4 427
425 - 449-----	121	75	46	15,056	11,234	3.9 439	11,227	4.0 447
450 - 474-----	145	90	55	21,095	12,081	3.8 461	12,068	3.9 468
475 - 499-----	51	27	24	4,169	12,815	3.8 484	12,741	3.8 486
500 - 524-----	15	8	7	623	13,453	3.8 513	12,977	3.8 492
525 - 549-----	8	2	6	252	13,849	3.9 536	13,284	3.9 519
550 - 574-----	1		1	1	17,754	3.2 562	14,120	3.4 487
575 - 599-----	5	1	4	18	14,467	4.0 581	12,837	4.2 533
OVER 650-----	2		2	2	16,252	4.3 694	13,370	4.0 539
TOTAL OR AVERAGE-----	488	292	196	47,577	11,181	4.0 445	11,172	4.0 452

TABLE 4.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE
JANUARY 1, 1961, AND THE DAMS OF THESE DAUGHTERS, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE DAMS
TO WHICH THEY WERE MATED

MILK PRODUCTION RANGE OF DAMS POUNDS	SIRES NUMBER	MAINTAINED OR INCREASED PRODUCTION NUMBER	DECREASED PRODUCTION NUMBER	DAM-AND- DAUGHTER PAIRS NUMBER	MILK POUNDS	DAMS BUTTERFAT % POUNDS	AVERAGE PRODUCTION DAUGHTERS MILK POUNDS	BUTTERFAT % POUNDS
6500 - 7499---	14	11	3	257	7,142	5.1 361	7,692	5.0 382
7500 - 8499---	72	39	33	2,983	8,067	5.0 405	8,156	5.0 408
8500 - 9499---	55	24	31	1,718	8,954	4.8 431	8,783	4.9 427
9500 -10499---	25	13	12	982	9,962	4.0 401	10,150	4.4 448
10500-11499---	32	17	15	1,490	11,070	4.0 438	10,847	4.0 439
11500-12499---	130	76	54	22,898	12,115	3.7 445	12,261	3.7 460
12500-13499---	130	66	64	16,330	12,856	3.7 470	12,849	3.7 478
13500-14499---	24	12	12	901	13,984	3.7 515	13,518	3.8 509
15500-16499---	4		4	15	15,950	4.0 639	14,179	3.9 559
OVER 16500---	2		2	3	17,135	3.3 570	13,718	3.6 500
TOTAL OR AVERAGE-----	488	258	230	47,577	11,181	4.0 445	11,172	4.0 452

TABLE 5.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF SIRES IN ARTIFICIAL-BREEDING SERVICE JANUARY 1, 1961, GROUPED ACCORDING TO THE BUTTERFAT PRODUCTION RANGE OF THESE DAUGHTERS

BUTTERFAT PRODUCTION RANGE OF DAUGHTERS POUNDS	SIRES NUMBER	MAINTAINED OR INCREASED PRODUCTION NUMBER	DECREASED PRODUCTION NUMBER	DAM-AND- DAUGHTER PAIRS NUMBER	MILK POUNDS	AVERAGE PRODUCTION				
						DAMS BUTTERFAT % POUNDS	MILK POUNDS	DAUGHTERS BUTTERFAT % POUNDS	BUTTERFAT % POUNDS	
UNDER 275-----	3		3	9	12,501	3.6	455	5,659	3.8	217
275 - 299-----	1		1	2	9,528	4.4	419	7,375	3.9	291
300 - 324-----	3	1	2	12	8,324	4.1	340	7,585	4.2	316
325 - 349-----	8	1	7	153	8,266	4.5	375	7,419	4.5	334
350 - 374-----	14	4	10	256	8,056	4.9	393	7,701	4.7	365
375 - 399-----	37	11	26	1,281	9,005	4.5	404	8,553	4.5	388
400 - 424-----	74	26	48	3,400	9,708	4.4	423	9,362	4.4	413
425 - 449-----	87	37	50	9,575	11,085	4.0	440	10,888	4.0	438
450 - 474-----	106	76	30	15,674	11,735	3.9	453	11,755	3.9	462
475 - 499-----	78	68	10	10,589	12,179	3.8	462	12,558	3.9	485
500 - 524-----	46	41	5	5,208	12,757	3.7	470	13,488	3.8	509
525 - 549-----	16	13	3	921	13,005	3.8	491	13,689	3.9	533
550 - 574-----	7	7		447	13,625	3.7	508	14,306	3.9	558
575 - 599-----	2	2		13	12,624	3.9	488	14,860	3.9	581
600 - 624-----	4	3	1	20	14,652	4.0	585	15,156	4.1	616
OVER 650-----	2	2		17	10,798	3.7	404	12,747	5.2	663
TOTAL OR AVERAGE-----	488	292	196	47,577	11,181	4.0	445	11,172	4.0	452

TABLE 6.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF THE DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE JANUARY 1, 1961, GROUPED ACCORDING TO THE MILK PRODUCTION RANGE OF THESE DAUGHTERS

MILK PRODUCTION RANGE OF DAUGHTERS POUNDS		SIRES NUMBER	MAINTAINED OR INCREASED PRODUCTION NUMBER	DECREASED PRODUCTION NUMBER	DAM-AND- DAUGHTER PAIRS NUMBER	MILK POUNDS	AVERAGE DAMS BUTTERFAT % POUNDS		PRODUCTION DAUGHTERS MILK POUNDS BUTTERFAT % POUNDS		
UNDER 6500---	6			6	31	9,710	4.3	417	5,806	7.2	419
6500 - 7499---	19		1	18	358	8,265	5.1	423	7,096	5.3	373
7500 - 8499---	64		26	38	2,525	8,178	4.9	400	8,086	4.9	397
8500 - 9499---	57		40	17	2,114	8,785	4.8	423	9,001	4.8	434
9500 - 10499---	27		8	19	1,020	10,533	4.1	428	10,022	4.2	423
10500-11499---	51		16	35	4,049	11,529	3.8	442	11,083	4.0	438
11500-12499---	99		37	62	18,069	12,325	3.7	455	12,090	3.8	456
12500-13499---	105		76	29	14,583	12,654	3.6	462	12,959	3.7	482
13500-14499---	45		41	4	4,601	13,214	3.7	482	13,942	3.7	512
14500-15499---	11		10	1	179	13,389	3.7	502	14,934	3.7	559
15500-16499---	3		2	1	35	13,975	3.7	515	15,720	3.6	559
OVER 16500---	1		1		13	11,949	3.5	421	19,203	3.5	663
TOTAL OR AVERAGE-----	488		258	230	47,577	11,181	4.0	445	11,172	4.0	452

1/

SUMMARY OF THE 1960-61 DAIRY-HERD-IMPROVEMENT ASSOCIATION RECORDS, BY STATES

Code	State	Herds		Average production			Average feed consumed			Concentrates:	Average days on pasture
		on test	Herd Records	Milk	Test	Fat	Roughage			fed per 100	
		1-1-61	used				Succulent:	Dry:	Concentrates:	lb. of milk	
	Name	Number	Number	Pounds	%	Pounds	Pounds	Pounds	Pounds	Pounds	Number
11	Maine-----	644	317	10,417	4.1	424	58	49	36	35	146
12	New Hampshire--	325	179	10,320	4.1	424	75	45	32	31	146
13	Vermont-----	1,125	660	9,571	4.1	396	63	42	30	31	151
14	Massachusetts--	546	387	10,497	4.0	424	95	43	39	37	131
15	Rhode Island---	57	27	10,878	3.8	418	120	38	42	39	124
16	Connecticut----	534	334	10,991	4.0	437	116	32	41	37	140
21	New York-----	3,912	2,934	11,354	3.7	425	98	46	35	31	147
22	New Jersey-----	575	310	10,680	3.8	411	111	36	32	30	168
23	Pennsylvania----	4,854	3,720	10,503	3.9	413	84	43	35	33	169
31	Ohio-----	2,510	337	10,434	3.8	399	78	45	34	33	156
32	Indiana-----	1,212	401	10,299	4.0	411	63	35	28	27	167
33	Illinois-----	1,725	1,158	10,534	3.9	410	59	45	32	30	162
34	Michigan-----	1,994	1,615	11,120	3.8	423	69	49	32	29	144
35	Wisconsin 2/----	2,705	-	-	-	-	-	-	-	-	-
41	Minnesota-----	3,867	920	11,018	3.7	406	72	46	34	31	127
42	Iowa-----	1,899	1,117	10,704	3.8	402	66	45	35	33	150
43	Missouri-----	694	256	9,612	4.0	385	64	33	31	32	176
45	North Dakota----	190	57	10,684	3.7	393	75	55	30	28	121
46	South Dakota----	204	61	11,137	3.5	395	93	53	31	28	114
47	Nebraska-----	323	74	9,537	3.9	370	62	54	30	31	135
48	Kansas-----	813	535	10,045	3.9	390	80	38	35	35	183
50	Delaware-----	122	86	9,662	3.9	381	82	28	31	32	206
51	Maryland-----	977	435	10,028	4.0	398	93	34	33	33	184
52	Virginia-----	1,167	857	10,148	3.9	398	85	32	33	33	198
54	West Virginia--	252	110	9,215	3.9	355	78	36	28	30	173
55	North Carolina--	729	594	9,281	3.9	358	112	25	32	34	204
56	South Carolina--	208	100	8,593	3.9	337	96	17	32	37	289
57	Georgia-----	355	113	8,397	4.0	335	52	18	32	38	324
58	Florida-----	124	20	7,725	4.3	333	22	12	48	62	316
61	Kentucky-----	523	142	9,037	4.0	357	51	31	28	31	205
63	Tennessee-----	506	124	8,354	4.2	347	57	27	28	34	222
64	Alabama-----	262	123	7,578	4.1	308	40	17	32	42	309
65	Mississippi-----	140	65	6,928	4.4	302	41	16	27	39	294
71	Arkansas-----	65	28	8,030	3.8	309	43	35	31	39	209
72	Louisiana-----	70	16	6,924	4.2	294	13	3	24	35	365
73	Oklahoma-----	170	39	9,060	3.9	355	52	32	31	34	236
74	Texas-----	375	114	9,256	3.8	356	52	33	37	40	259
81	Montana-----	126	33	11,105	3.6	398	19	96	27	24	101
82	Idaho-----	824	203	10,053	4.0	405	42	70	23	23	137
83	Wyoming 2/-----	56	-	-	-	-	-	-	-	-	-
84	Colorado-----	340	27	10,149	3.7	378	60	80	29	29	125
85	New Mexico-----	58	4	10,003	3.6	365	16	11	28	28	136
86	Arizona 2/-----	174	-	-	-	-	-	-	-	-	-
87	Utah 2/-----	478	-	-	-	-	-	-	-	-	-
88	Nevada 2/-----	47	-	-	-	-	-	-	-	-	-
91	Washington 2/--	974	-	-	-	-	-	-	-	-	-
92	Oregon-----	563	12	9,325	4.1	385	55	36	27	29	215
93	California 2/--	2,130	-	-	-	-	-	-	-	-	-
Total or average---		42,523	18,644	10,048	3.9	390	78	39	32	32	163

1/ Based on complete individual herd records, as reported by association supervisors.

2/ Complete feed data not reported.



Growth Through Agricultural Progress